

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO				Complete if Known	
				Application Number	10/717,074
				Filing Date	November 19, 2003
				First Named Inventor	Richard J. Davies
				Art Unit	1614
				Examiner Name	Not Yet Assigned
Sheet	1	of	11	Attorney Docket Number	DAVIES 3.0-001 CIP I

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (# known)			
C	AA**	US-3,949,736	04-13-1976	Vrana, Jiri, Cervenci, Milan	
C	AB**	US-4,729,385	03-08-1998	Juncosa, Robert D., Davies, Richard J.	
C	AC**	US-4,955,383	09-11-1990	Faupel, Mark L.	
C	AD**	US-5,099,844	03-31-1992	Faupel, Mark L.	
C	AE**	US-6,251,681	06-26-2001	Davies, Richard J., Juncosa, Robert D.	
C	AF**	US-6,308,097	10-23-2001	Pearlman, Andrew L.	

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (# known)			
C	BA**	WO-98/23204-A1	06/1998	CHURCH ET AL.	T <sup>6</sup>

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 608. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \*\*CITE NO.: Those patent(s) or publication(s) which are marked with an double asterisk (\*\*) next to the Cite No. are not supplied because they were previously cited by or submitted to the Office in a prior application relied upon in this application for an earlier filing date under 35 U.S.C. 120. <sup>3</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>4</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>5</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>6</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>7</sup> Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
GA		<del>FOSTER KR, SCHWAN HP. Dielectric Properties Of Tissues And Biological Materials: A Critical Review. Critical Reviews in Biomedical Engineering, 1989, pages 25-104 Volume 17, Issue 1, CRC Press, England.</del>			
CB		<del>EMTESTAM L, OLLMAR S. Electrical Impedance Index In Human Skin: Measurements After Occlusion, In 5 Anatomical Regions And In Mild Irritant Contact Dermatitis. Contact Dermatitis, Environmental and Occupational Dermatitis, February 1993, pages 104-108, Volume 28, No. 2, RJC Rycroft, London, England</del>			
CC		<del>OLLMAR S, EEK A, SUNDSTROM F, EMTESTAM L. Electrical Impedance For Estimation Of Irritation In Oral Mucosa And Skin. Medical Progress Technology, February 1995, pages 29-37, Volume 21, No. 1, Kluwer Academic Publishers</del>			
CD		<del>OLLMAR S, NYREN M, NICANDER I, EMTESTAM L. Electrical Impedance Compared With Other Non-Invasive Bioengineering Techniques And Visual Scoring For Detection Of Irritation In Human Skin. British Journal of Dermatology, January 1994, pages 29-36, Volume 130, No. 1, Blackwell Scientific Publications</del>			
CE		<del>NICANDER I, OLLMAR S, ROZELL BL, EEK A, EMTESTAM L. Electrical Impedance Measured To Five Skin Depths In Mild Irritant Dermatitis Induced By Sodium Lauryl Sulphate, British Journal of Dermatology, May 1995, pages 718-724, Volume 132, Number 5, Blackwell Scientific Publications</del>			
CF		<del>KRISTT D, WINSTON GJ, MELLOV MM, VELTMAN V, KOREN R. Patterns Of Proliferative Changes In Crypts Bordering Colonic Tumors: Zonal Histology And Cell-Cycle Marker Expression. Pathology Oncology Research, 1999; pages 297-303, Volume 5, No. 4</del>			

Examiner Signature		Date Considered	2/23/06
--------------------	--	-----------------	---------

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO

Complete If Known

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

2

of

11

Application Number	10/717,074
Filing Date	November 19, 2003
First Named Inventor	Richard J. Davies
Art Unit	1614
Examiner Name	Not Yet Assigned

Attorney Docket Number DAVIES 3.0-001 CIP I

CC	LACKERMEIER AH, MCADAMS ET, MOSS GP, WOOLESON AD. In-Vivo Ac Impedance Spectroscopy Of Human Skin: Theory And Problems In Monitoring Of Passive-Permeant Drug Delivery. Annals of the New York Academy of Sciences, 1999, pages 197-213, Volume 873
CH	CUZICK J, HOLLAND R, BARTH V, DAVIES R, FAUPEL M, FENTIMAN I ET AL. Electropotential Measurements As A New Diagnostic Modality For Breast Cancer. The Lancet, August 1998, pages 359-363, Volume 352, No. 9125,
CI	FAUPEL M, VANEL D, BARTH V, DAVIES R, FENTIMAN IS, HOLLAND R ET AL. Electropotential Evaluation As A New Technique For Diagnosing Breast Lesions. European Journal of Radiology, January 1997, pages 33-38, Volume 24, No. 1, Elsevier
CJ	HÜLSER DF, FRANK W. Stimulation Of Embryonic Rat Cell In Culture By A Protein Fraction Isolated From Fetal Calf Serum, Publishing House of the Periodical for Nature Research, July 1971, pages 1045-1048, Volume 26b, No. 7
CK	MOOLENAAR WH, DE LAAT SW, VAN DER SAAG PT. Serum Triggers A Sequence Of Rapid Ionic Conductance Changes In Quiescent Neuroblastoma Cells. Nature, June 14, 1979, pages 721-723, Volume 279, No. 5714
CL	REUSS L, CASSEL Q, ROTHENBERG P, WHITELEY P, MANCUSO D, GLASER L. Mitogens And Ion Fluxes. In: Mahdel LJ, Benos DJ, Editors. The Role Of Membranes In Cell Growth And Differentiation, Academic Press Inc., Harcourt Brace Jovanovich, 1986, pages 3-54, Volume 27, Orlando, Fla.
CM	MOOLENAAR WH, DE LAAT SW, MUMMERY CL, VAN DER SAAG PT. Na+/H+ Exchange In The Action Of Growth Factors. In: Boynton AL, McKeehan WL, Whitfield JF, editors. Ions, Cell Proliferation and Cancer, Academic Press, Inc., 1982, Pages 151-162, New York
CN	ROTHENBERG P, REUSS L, GLASER L. Serum And Epidermal Growth Factor Transiently Depolarize Quiescent BSC-1 Epithelial Cells. Proceedings of the National Academy of Sciences of The United States of America, December 1982, pages 7783-7787, Volume 79, No. 24
CO	SCHULTZ SG. Homocellular Regulatory Mechanisms In Sodium-Transporting Epithelia: Avoidance Of Extinction By "Flush-Through". American Journal of Physiology, December 1981, pages F579-F590, Volume 241, No. 6, The American Physiological Society
CP	BOONSTRA J, MOOLENAAR WH, HARRISON PH, MOED P, VAN DER SAAG PT, DE LAAT SW. Ionic Responses And Growth Stimulation Induced By Nerve Growth Factor And Epidermal Growth Factor In Rat Pheochromocytoma (PC12) cells. The Journal of Cell Biology, July 1983, pages 92-98, Volume 97, No. 1, The Rockefeller University Press
CQ	REDMANN K, WALLISER S. Different Changes In Transmembrane Potential Of Cultured Cells After Ouabain-Inhibited Active Na+/K+-Transport. Archiv Fur Geschwulstforsch, 1981; pages 96-102. Volume 51, No. 1, Volk und Gesundheit, Berlin
CR	PRAT AG, CUNNINGHAM CC, JACKSON GR, JR., BORKAN SC, WANG Y, AUSIELLO DA et al. Actin Filament Organization Is Required For Proper Camp-Dependent Activation Of CFTR. American Journal of Physiology, December 1999, pages C1160-C1169 Vol. 277, No. 6 Part 1, The American Physiological Society
CS	ROUZAIRE-DUBOIS B, MILANDRI JB, BOSTEL S, DUBOIS JM. Control Of Cell Proliferation By Cell Volume Alterations In Rat C6 Glioma Cells. Pflugers Archiv European Journal of Physiology, October 2000, Vol. 440, No. 6, Springer
CT	ERNST M, ADAM G. Regulation Of Passive Potassium Transport Of Normal And Transformed 3T3 Mouse Cell Cultures By External Calcium Concentration And Temperature. Journal of Member Biology, 1981; pages 155-172, Vol. 61, No. 3, Springer-Verlag New York Inc.
CU	DISERBO M, FATOME M, VERDETTI J. Activation Of Large Conductance Ca(2+)-Activated K+ Channels In N1E-115 Neuroblastoma Cells By Platelet-Activating Factor. Biochemical and Biophysical Research Community, January 1996, pages 745-749, Vol. 218, No. 3, Academic Press.

Examiner  
SignatureDate  
Considered

2/23/06

Substitute for form 1449A/B/PTO

*Complete If Known*

Application Number	10/717,074
Filing Date	November 19, 2003
First Named Inventor	Richard J. Davies
Art Unit	1614
Examiner Name	Not Yet Assigned

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

3

of

11

Attorney Docket Number DAVIES 3.0-001 CIP I

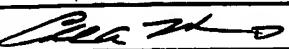
CV	RANE SG. A Ca(2+) Activated K+ Current In Rcs Transformed Fibroblasts Is Absent From Nontransformed Cells. American Journal of Physiology, January 1991, pages G104-G112, Vol. 260, No. 1, Part 1, The American Physiological Society
CW	SACHS HG, STAMBROOK PJ, EBERT JD. Changes In Membrane Potential During The Cell Cycle, Experimental Cell Research, February 1974, pages 362-366, Vol. 83, No. 2, Academic Press, New York and London
CX	KIEFER H, BLUME AJ, KABACK HR. Membrane Potential Changes During Mitogenic Stimulation Of Mouse Spleen Lymphocytes, Proceedings of the National Academy of Sciences, of the United States of America, April 1980, pages 2200-2204, Vol. 77, No. 4
CY	MOOLENAAR WH, MUMMERY CL, VAN DER SAAG PT, DE LAAT SW. Rapid Ionic Events And The Initiation Of Growth In Serum-Stimulated Neuroblastoma Cells, Cell March 1981, pages 789-798, Vol. 23, No. 3
CZ	CHAPMAN LM, WONDERGEM R. Transmembrane Potential And Intracellular Potassium Ion Activity In Fetal And Maternal Liver, Journal of Cellular Physiology, October 1984, pages 7-12, Vol. 121, No. 1, Alan R. Liss, Inc.
CA1	DECOURSEY TE, CHERNY VV. Voltage-Activated Proton Currents In Human THP-1 Monocytes, The Journal of Membrane Biology, July 1996, pages 131-140, Vol. 152, No. 2, Springer
CB1	KAPURAL L, FEIN A. Changes In The Expression Of Voltage-Gated K+ Currents During Development Of Human Megakaryocytic Cells, Biochimica et Biophysica Acta 1997, pages 319-328; Volume 1326, No. 2, Elsevier, USA
CC1	WIELAND SJ, CHOU RH, CHEN TA. Elevation Of A Potassium Current In Differentiating Human Leukemic (HL- 60) Cells, Journal of Cell Physiology, August 1987, pages 371-375, Volume 132, No. 2, Alan R. Liss, Inc.
CD1	SIMONNEAU M, DISTASI C, TAUC L, ROUJEOI C. Development Of Ionic Channels During Mouse Neuronal Differentiation, Journal de Physiologie, 1985, pages 312-32, Volume 80, No. 2, Masson, Paris, France
CE1	VESELOVSKII NS, FOMINA AF. [Sodium And Calcium Channels Of The Somatic Membrane Of Neuroblastoma Cells During Artificially Induced Differentiation]. Neirofiziologija 1986; pages 207-214, Volume 18, No. 2,
CF1	VYKLICKY L, JR., MICHL J, VYACHOVA V, VYKLICKY L, VYSKOCIL F. Ionic Currents In Neuroblastoma Clone E-7 Cells, Neuroscience Letters, 1985, pages 197-201, Volume 55, No. 2, Elsevier Scientific Publishers, Ireland
CG1	FELBER SM, BRAND MD. Concanavalin A Causes An Increase In Sodium Permeability And Intracellular Sodium Content Of Pig Lymphocytes, The Biochemical Journal, March 1983, pages 893-897, Volume 210, No. 3, The Biochemical Society, London
CH1	ODONNELL ME, VILLERREAL ML. Membrane Potential And Sodium Flux In Neuroblastoma X Glioma Hybrid Cells: Effects Of Amiloride And Serum, Journal of Cellular Physiology, December 1982, pages 405-412, Volume 113, No. 3, Alan R. Liss, Inc.
CI1	LEFFERT HL, KOCH KS. Ionic Events At The Membrane Initiate Rat Liver Regeneration. Ann The New York Academy of Sciences, 1980, pages 201-215, Volume 339, New York, USA
CJ1	VILLERREAL ML. Sodium Fluxes In Human Fibroblasts: Effect Of Serum, Ca+2, And Amiloride. Journal of Cellular Physiology, June 1981, pages 359-369, Volume 107, No. 3, Alan R. Liss, Inc.
CK1	FEHLMANN M, CANIVET B, FREYCHET P. Epidermal Growth Factor Stimulates Monovalent Cation Transport In Isolated Rat Hepatocytes, Biochemical and Biophysical Research Communications, May 1981, pages 254-260, Volume 100, No. 1, Academic Press Inc.
CL1	MOOLENAAR WH, TSIEN RY, VAN DER SAAG PT, DE LAAT SW. Na+/H+ Exchange And Cytoplasmic Ph In The Action Of Growth Factors In Human Fibroblasts. Nature, International Weekly Journal of Science, August 1983, pages 645-646, Volume 304, No. 5927, MacMillan Journals, Ltd.

Examiner  
SignatureDate  
Considered

2/23/06

Substitute for form 1449A/B/PTO				Complete If Known	
				Application Number	10/717,074
				Filing Date	November 19, 2003
				First Named Inventor	Richard J. Davies
				Art Unit	1614
				Examiner Name	Not Yet Assigned
Sheet	4	of	11	Attorney Docket Number	DAVIES 3.0-001 CIP I

CM1	PARIS S, POUYSSEGUR J. Biochemical Characterization Of The Amiloride-Sensitive Na+/H+ Antporter In Chinese Hamster Lung Fibroblasts, <i>The Journal of Biological Chemistry</i> , March 1983, pages 3503-3508, Volume 258, No. 6, The American Society of Biological Chemists, Inc., USA
CN1	PARIS S, POUYSSEGUR J. Growth Factors Activate The Na+/H+ Antporter In Quiescent Fibroblasts By Increasing Its Affinity For Intracellular H+, <i>The Journal of Biological Chemistry</i> , September 1984, pages 10989-10994, Volume 259, No. 17, The American Society of Biological Chemists, Inc., USA
CO1	POUYSSEGUR J, CHAMBARD JC, FRANCHI A, PARIS S, OBERGREN-SCHILLING E. Growth Factor Activation Of An Amiloride-Sensitive Na+/H+ Exchange System In Quiescent Fibroblasts: Coupling To Ribosomal Protein S6 Phosphorylation, <i>Proceedings of the National Academy of Sciences of the United States of America</i> , July 1982, pages 3935-3939, Volume 79, No. 13, National Academy of Sciences, USA
CP1	POUYSSEGUR J, SARDET C, FRANCHI A, L'ALLEMAIN G, PARIS S. A Specific Mutation Abolishing Na+/H+ Antipor Activity In Hamster Fibroblasts Precludes Growth At Neutral And Acidic Ph., <i>Proceedings of the National Academy of Sciences of the United States of America</i> , August 1984, pages 4833-4837, Volume 81, No. 15, National Academy of Sciences, USA
CQ1	MOOLENAAR WH, TERTOOLEN LG, DE LAAT SW. The Regulation Of Cytoplasmic Ph In Human Fibroblasts, <i>The Journal of Biological Chemistry</i> , June 1984, pages 7563-7569, Volume 259, No. 12, The American Society of Biological Chemists, Inc., USA
CR1	DEUTSCH C, PRICE M. Role Of Extracellular Na And K In Lymphocyte Activation, <i>Journal of Cellular Physiology</i> , October 1982, pages 73-79, Volume 113, No. 1, Alan R. Liss, Inc.
CS1	SAQR HE, GUAN Z, YATES AJ, STOKES BT. Mechanisms Through Which PDGF Alters Intracellular Calcium Levels In U- 1242 MG Human Glioma Cells, <i>Neurochemistry International</i> , December 1999, pages 411-422, Volume 35, No. 6, Elsevier Science Ltd.
CT1	CHEN CF, CORBLEY MJ, ROBERTS TM, HESS P. Voltage-Sensitive Calcium Channels In Normal And Transformed 3T3 Fibroblasts, <i>Science</i> , February 1988, pages 1024-1026, Volume 239, No. 4843,
CU1	OWEN NE, VILLEREAUX ML. Role Of Ca2+ In Serum-Stimulated Na+ Influx In Normal And Transformed Cells, <i>American Journal of Physiology</i> , March 1985, pages C288-C295, Volume 248, No. 3 Pt 1, The American Physiological Society
CV1	MACARA IG. Oncogenes, Ions, And Phospholipids, <i>American Journal of Physiology</i> , January 1985, pages C3-11, Volume 248, No. 1 Pt 1, The American Physiological Society
CW1	CAMERON IL, SMITH NJ, POOL TB, SPARKS RL. Intracellular Concentration Of Sodium And Other Elements As Related To Mitogenesis And Oncogenesis In Vivo, <i>Cancer Research</i> , May 1980, pages 1493-1500, Volume 40, No. 5
CX1	GOLLER DA, WEIDEMA WF, DAVIES RJ. Transmural Electrical Potential Difference As An Early Marker In Colon Cancer, <i>Archives of Surgery</i> , March 1986, pages 345-350, Volume 121, No. 3, The American Medical Association, USA
CY1	DAVIES RJ, WEIDEMA WF, SANDLE GI, PALMER L, DESCHNER EE, DECOSSSE JJ. Sodium Transport In A Mouse Model Of Colonic Carcinogenesis, <i>Cancer Research</i> , September 1987, pages 4646-4650, Volume 47, No. 17
CZ1	DAVIES RJ, JUNCOSA RD, KAPLAN D, PEMPINELLO C, ASBUN H, PILCH YH. Colonic Epithelial Impedance Analysis In A Murine Model Of Large-Bowel Cancer, <i>Archives of Surgery</i> , November 1986, pages 1253-1258, Volume 121, No. 11, The American Medical Association, USA
CA2	DAVIES RJ, JOSEPH R, KAPLAN D, JUNCOSA RD, PEMPINELLO C, ASBUN H et al. Epithelial Impedance Analysis In Experimentally Induced Colon Cancer, <i>Biophysical Journal</i> , November 1987, pages 783-790, Volume 52, No. 5, The Biophysical Society by The Rockefeller University Press, USA
CB2	DAVIES RJ, JOSEPH R, ASBUN H, SEDWITZ M. Detection Of The Cancer-Prone Colon,

Examiner Signature		Date Considered	2/23/06
--------------------	---	-----------------	---------

Substitute for form 1449A/B/PTO

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	5	of	11	Attorney Docket Number	DAVIES 3.0-001 CIP I
-------	---	----	----	------------------------	----------------------

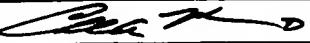
		Using Transepithelial Impedance Analysis, Archives of Surgery, April 1980, pages 480-484, Volume 124, No. 4, The American Medical Association, USA	
CC2		SCHAEFER H, SCHANNE O. Membranpotentiale Von Einzelzellen in Gewebekulturen, Naturwissenschaften 1956, page 445, Volume 43, Springer-Verlag	
CD2		TOKUOKA S, MORIOKA H. The Membrane Potential of the Human Cancer and Related Cells, "GANN" The Japanese Journal of Cancer Research, Gann, 1957, pages 353-354, Volume 48, The Japanese Cancer Association and the Japanese Foundation for Cancer Research, Mishi-Sugamo, Toshima-ku, Tokyo, Japan	
CE2		BALTSKY KP, SHUBA EP. Resting Potential of Malignant Cells, ACTA, Eighth International Cancer Congress, 1964, pages 1391-1393, Volume 20, No. 67	
CF2		CONE CD, JR. Unified Theory On The Basic Mechanism Of Normal Mitotic Control And Oncogenesis, Journal of Theoretical Biology, January 1971, pages 151-181, Volume 30, No. 1, Academic Press	
CG2		CONE CD, JR., CONE CM. Induction Of Mitosis In Mature Neurons In Central Nervous System By Sustained Depolarization, Science, April 1976, pages 155-158, Volume, 192, No. 4235	
CH2		CONE CD, JR. The Role Of The Surface Electrical Transmembrane Potential In Normal And Malignant Mitogenesis, Annals of the New York Academy of Sciences, 1974, pages 420-435, Volume 238, The New York Academy of Sciences, USA	
CI2		LAI CN, GALICK GE, ARLINGHAUS RB, BECKER FF. Temperature-Dependent Transmembrane Potential Changes In Cells Infected With A Temperature-Sensitive Moloney Sarcoma Virus, Journal of Cellular Physiology, October 1984, pages 139-142, Volume 121, No. 1, Alan R. Liss, Inc.	
CJ2		BINGGELI R, CAMERON IL. Cellular Potentials Of Normal And Cancerous Fibroblasts And Hepatocytes, Cancer Research, June 1960, pages 1830-1835, Volume 40, No. 6	
CK2		KOCH KS, LEFFERT HL. Growth Control Of Differentiated Adult Rat Hepatocytes In Primary Culture, Annals of the New York Academy of Sciences, 1980, pages 111-127, Volume 349, The New York Academy of Sciences, New York, USA	
CL2		FUNKHOUSER WK, PILCH YH, DAVIES RJ. The Electrophysiologic Changes Associated with Premalignancy in Colon Carcinogenesis, Federation Proceedings, March 1986, page 742, Volume 45, No. 4, Federation of American Societies for Experimental Biology	
CM2		HUANG Y, RANE SG. Single Channel Study Of A Ca(2+)-Activated K+ Current Associated With Ras-Induced Cell Transformation, The Journal of Physiological Society, 1993, pages 601-618, Volume 461, Cambridge University Press	
CN2		DAVIES RJ, WEISS A, CAPKO D, BRENNER BM. Cell Membrane Potential in Benign and Malignant Breast Epithelial Cells, Breast Cancer Research and Treatment, 1996, page 331, Volume 41, No. 3 Ref Type: Abstract, Kluwer Academic Publishers	
CO2		SCHULTZ SG. Basic Principles of Membrane Transport, 1 ed. 1980, Cambridge University Press, London and New York	
CP2		NAGY IZ, LUSTYIK G, NAGY VZ, ZARANDI B, BERTONI-FREDDARI C. Intracellular Na+:K+ Ratios In Human Cancer Cells As Revealed By Energy Dispersive X-Ray Microanalysis, The Journal of Cell Biology, September 1981, pages 769-777, Volume 90, No. 3, The Rockefeller University Press, USA	
CQ2		BUSTIN SA, LI SR, DORUDI S. Expression of the Ca2+-Activated Chloride Channel Genes CLCA1 and CLCA2 Is Downregulated In Human Colorectal Cancer, DNA and Cell Biology, November 2001, pages 331-338, Volume 20, No. 6, Mary Ann Liebert, Inc., London, U.K.	
CR2		BROADDUS RR, WARGOVICH MJ, CASTRO GA. Early stages of 1,2-dimethylhydrazine-Induced Colon Carcinogenesis Suppress Immune-Regulated Ion Transport Of Mouse Distal Colon, Cancer Research, November 1994, pages 5930-5936, Volume 54, No. 22, Official Journal of the American Association For Cancer Research, USA	
CS2		MORRIS AP, CUNNINGHAM SA, BENOS DJ, FRIZZELL RA. Cellular Differentiation Is	

Examiner  
SignatureDate  
Considered

2/23/06

Substitute for form 1449A/B/PTO				Complete If Known	
				Application Number	10/717,074
				Filing Date	November 19, 2003
				First Named Inventor	Richard J. Davies
				Art Unit	1614
				Examiner Name	Not Yet Assigned
Sheet	6	of	11	Attorney Docket Number	DAVIES 3.0-001 CIP I

	<del>Required For cAMP But Not Ca(2+)-dependent Cl- Secretion In Colonic Epithelial Cells Expressing High Levels Of Cystic Fibrosis Transmembrane Conductance Regulator, The Journal of Biological Chemistry, March 1992, pages 5575-5583, Volume 267, No. 8, The American Society for Biochemistry and Molecular Biology</del>
CT2	<del>CHAMPIGNY G, VERRIER B, LAZDUNSKI M. A Voltage, Calcium, And ATP Sensitive Non Selective Cation Channel In Human Colonic Tumor Cells, Biochemical and Biophysical Research Communications, May 1991, pages 1196-1203, Volume 176, No. 3, Academic Press, Inc.</del>
CU2	<del>YAO X, KWAN HY. Activity Of Voltage-Gated K+ Channels Is Associated With Cell Proliferation And Ca2+ Influx In Carcinoma Cells Of Colon Cancer, Life Sciences Including Pharmacology Letters, May 1999, pages 55-62, Volume 65, No. 1, Elsevier Science, Inc.</del>
CV2	<del>WISSENBACH U, NIEMEYER BA, FIXEMER T, SCHNEIDEWIND A, TROST C, CAVALIE A et al. Expression of CaT-like, A Novel Calcium-Selective Channel, Correlates With The Malignancy Of Prostate Cancer, The Journal of Biological Chemistry, June 2001, pages 19461-19468, Volume 276, No. 22, The American Society for Biochemistry and Molecular Biology</del>
CW2	<del>NIEMEYER BA, BERGS C, WISSENBACH U, FLOCKERZI V, TROST C. Competitive Regulation of CaT-Like Mediated Ca2+ Entry by Protein Kinase C and Calmodulin, Proceedings of the National Academy of Sciences of the United States of America, March 2001, pages 3600-3605, Volume 98, No. 6</del>
CX2	<del>LANIADO ME, FRASER SP, DJAMGOZ MB. Voltage-Gated K(+) Channel Activity In Human Prostate Cancer Cell Lines Of Markedly Different Metastatic Potential: Distinguishing Characteristics Of PC-3 and LNCaP cells, The Prostate, 2001, pages 262-274, Volume 46, No. 4, Wiley-Liss, Inc.</del>
CY2	<del>SHUBA YM, PREVARSKAYA N, LEMONNIER L, VAN COPPENOLLE F, KOSTYUK PG, MAUROY B et al. Volume-Regulated Chloride Conductance In The LNCaP Human Prostate Cancer Cell Line, American Journal of Physiology Cell Physiology, October 2000, pages C1144-C1154, Volume 279, No. 4, The American Physiological Society</del>
CZ2	<del>FRASER SP, GRIMES JA, DJAMGOZ MB. Effects Of Voltage-Gated Ion Channel Modulators On Rat Prostatic Cancer Cell Proliferation: Comparison Of Strongly And Weakly Metastatic Cell Lines, The Prostate, 2000, pages 61-76, Volume 44, No. 1, Wiley-Liss, Inc.</del>
CA3	<del>RANE SG. The Growth Regulatory Fibroblast IK Channel Is The Prominent Electrophysiological Feature Of Rat Prostatic Cancer Cells, Biochemical and Biophysical Research Communications, March 2000, pages 457-463, Volume 269, No. 2, Academic Press</del>
CB3	<del>SKRYMA R, VAN COPPENOLLE F, DUFY-BARBE L, DUFY B, PREVARSKAYA N. Characterization of Ca(2+)-Inhibited Potassium Channels In The LNCaP Human Prostate Cancer Cell Line, Receptors and Channels, 1999, pages 241-253, Volume 6, No. 4, Harwood Academic Publishers, Malaysia</del>
CC3	<del>DISS JK, STEWART D, FRASER SP, BLACK JA, DIB-HAJJ S, WAXMAN SG et al. Expression Of Skeletal Muscle-Type Voltage-Gated Na+ Channel In Rat And Human Prostate Cancer Cell Lines, FEBS Letters, May 1998, pages 5-10, Volume 427, No. 1, Elsevier on Behalf of the Federation of European Biochemical Sciences</del>
CD3	<del>GRIMES JA, DJAMGOZ MB. Electrophysiological Characterization Of Voltage-Gated Na+ Current Expressed In The Highly Metastatic Mat-LyLu Cell Line Of Rat Prostate Cancer, Journal of Cellular Physiology, April 1998, pages 50-58, Volume 175, No. 1, Wiley-Liss, Inc.</del>
CE3	<del>SKRYMA RN, PREVARSKAYA NB, DUFY-BARBE L, ODESSA MF, AUDIN J, DUFY B. Potassium conductance In The Androgen-Sensitive Prostate Cancer Cell Line, LNCaP: Involvement In Cell Proliferation, The Prostate, 1997, pages 112-122, Volume 33, No. 2, Wiley-Liss, Inc.</del>
CE3	<del>LANIADO ME, LALANI EN, FRASER SP, GRIMES JA, BHANGAL G, DJAMGOZ MB et al. Expression and Functional Analysis Of Voltage-Activated Na+ channels In Human Prostate</del>

Examiner Signature		Date Considered	2/23/06
--------------------	---	-----------------	---------

Substitute for form 1449A/B/PTO

## Complete If Known

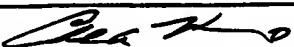
Application Number	10/717,074
Filing Date	November 19, 2003
First Named Inventor	Richard J. Davies
Art Unit	1614
Examiner Name	Not Yet Assigned

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 7 of 11 Attorney Docket Number DAVIES 3.0-001 CIP I

	Cancer Cell Lines And Their Contribution To Invasion In Vitro, The American Journal of Pathology, April 1997, pages 1213-1221, Volume 156, No. 4, American Society for Investigative Pathology
CG3	GRIMES JA, FRASER SP, STEPHENS GJ, DOWNING JE, LANIADO ME, FOSTER CS et al. Differential Expression Of Voltage-Activated Na <sup>+</sup> currents In Two Prostatic Tumour Cell Lines: Contribution To Invasiveness In Vitro, FEBS Letters, August 1995, pages 290-294, Volume 369, No. 2-3, Elsevier on Behalf of the Federation of European Biochemical Societies
CH3	WYKOFF CC, BEASLEY N, WATSON PH, CAMPO L, CHIA SK, ENGLISH R et al. Expression Of The Hypoxia-Inducible And Tumor-Associated Carbonic Anhydrases In Ductal Carcinoma In Situ Of The Breast, The American Journal of Pathology, March 2001, pages 1011-1019, Volume 158, No. 3, American Society for Investigative Pathology
CI3	STEMMER-RACHAMIMOV AO, WIEDERHOLD T, NIELSEN GP, JAMES M, PINNEY-MICHALOWSKI D, ROY JE et al. NHE-RF, A Merlin-Interacting Protein, Is Primarily Expressed In Luminal Epithelia, Proliferative Endometrium, And Estrogen Receptor-Positive Breast Carcinomas, The American Journal of Pathology, January 2001, pages 57-62, Volume 158, No. 1, American Society for Investigative Pathology
CJ3	KLIMATCHEVA E, WONDERLIN WF. An ATP-Sensitive K(+) Current That Regulates Progression Through Early G1 Phase Of The Cell Cycle In MCF-7 Human Breast Cancer Cells, The Journal of Membrane Biology, September 1999, pages 35-46, Volume 171, No 1, Springer
CK3	LIU MP, Handschumacher RE. Tamoxifen Induces Na <sup>+</sup> Dependent Uridine Transport and Dome Formation In A Human Breast Tumor Cell Line, The Cancer Journal from Scientific American, August 1995, pages 210-214, Volume 1, No. 3
CL3	SHEN MR, DROOGMANS G, EGGERMONT J, VOETS T, ELLORY JC, NILIUS B. Differential expression Of Volume-Regulated Anion Channels During Cell Cycle Progression Of Human Cervical Cancer Cells, The Journal of Physiology, December 2000, pages 385-394, Volume 529, Pt 2, The Physiological Society
CM3	SHEN MR, CHOU CY, ELLORY JC. Volume-Sensitive KCl cotransport Associated With Human Cervical Carcinogenesis, Pflügers Archiv European Journal of Physiology, September 2000, pages 751-760, Volume 440, No. 5, Springer
CN3	CHOU CY, SHEN MR, WU SN. Volume-sensitive Chloride Channels Associated With Human Cervical Carcinogenesis, Cancer Research, December 1995, pages 6077-6083, Volume 55, No. 24, Official Journal of the American Association for Cancer Research
CO3	ALLEN DH, LEPPLE-WENHUES A, CAHALAN MD. Ion Channel Phenotype Of Melanoma Cell Lines, The Journal of Membrane Biology, 1997, pages 27-34, Volume 155, No. 1, Springer
CP3	NILIUS B, WOHLRAB W. Potassium Channels And Regulation Of Proliferation Of Human Melanoma Cells, The Journal of Physiology, 1992, pages 537-548, Volume 445, Cambridge University Press
CQ3	NILIUS B, BOHM T, WOHLRAB W. Properties Of A Potassium-Selective Ion Channel In Human Melanoma Cells, Pflügers Archive European Journal of Physiology, November 1990, pages 269-277, Volume 417, No. 3, Springer International
CR3	CARTMAN ML, MORRIS JA, HUDDART H, STAFF WG. Electrolyte Homeostasis In Urothelial Neoplasia: The Effects Of Amiloride, British Journal of Urology, May 1995, pages 599-603, Volume 75, No. 5, Blackwell Science, Ltd.
CS3	CHIEN JL, WARREN JR. Free Calcium And Calmodulin Levels In Acinar Carcinoma And Normal Acinar Cells Of Rat Pancreas, International Journal of Pancreatology, March 1988, pages 113-127, Volume 3, No. 2-3, Elsevier
CT3	KIM JA, KANG YS, JUNG MW, LEE SH, LEE YS. Involvement of Ca <sup>2+</sup> Influx In The Mechanism Of Tamoxifen-Induced Apoptosis In HepG2 Human Hepatoblastoma Cells, Cancer Letters, December 1999, pages 115-123, Volume 147, No. 1-2, Elsevier

Examiner  
SignatureDate  
Considered

2/23/06

Substitute for form 1449A/B/PTO				<i>Complete If Known</i>	
				Application Number	10/717,074
				Filing Date	November 19, 2003
				First Named Inventor	Richard J. Davies
				Art Unit	1614
				Examiner Name	Not Yet Assigned
Sheet	8	of	11	Attorney Docket Number	DAVIES 3.0-001 CIP 1

<del>GU3</del>	<del>CUTHERREZ AA, ARIAS JM, GARCIA L, MAS OLIVA J, GUERRERO HERNANDEZ A. Activation of a Ca<sup>2+</sup>-Permeable Cation Channel By Two Different Inducers Of Apoptosis In A Human Prostatic Cancer Cell Line, The Journal of Physiology, May 1999, pages 95-107, Volume 517, Pt 1, The Physiological Society</del>
<del>CV3</del>	<del>TAPIA-VIEYRA JV, MAS-OLIVA J. Apoptosis and Cell Death Channels In Prostate Cancer, Archives of Medical Research, 2001, pages 175-185, Volume 32, No. 3, Elsevier Science, Inc.</del>
<del>CW3</del>	<del>ELBLE RC, PAULI BU. Tumor Suppression by a Proapoptotic Calcium-Activated Chloride Channel in Mammary Epithelium, The Journal of Biological Chemistry, November 2001, pages 40510-40517, Volume 276, No. 44, The American Society For Biochemistry and Molecular Biology</del>
<del>CX3</del>	<del>KIM JA, KANG YS, LEE YS. Involvement of K(+)-Cl(-)-cotransport In The Apoptosis Induced By N- Ethylmaleimide In HepG2 Human Hepatoblastoma Cells, European Journal of Pharmacology, April 2001, pages 1-5, Volume 418, Nos. 1-2, Elsevier</del>
<del>CY3</del>	<del>LOEWENSTEIN WR. Junctional Intercellular Communication And The Control Of Growth, Biochimica et Biophysica Acta , February 1979, pages 1-65, Volume 560, No. 1, Elsevier/North-Holland</del>
<del>CZ3</del>	<del>LOEWENSTEIN WR. Junctional Cell-To-Cell Communication And Growth Control, Annals of the New York Academy of Sciences, 1980, pages 39-45, Volume 339, The New York Academy of Sciences, New York, USA</del>
<del>CA4</del>	<del>PAULI BU, WEINSTEIN RS. Structure Of Gap Junctions In Cultures Of Normal And Neoplastic Bladder Epithelial Cells, Experientia, 1981, pages 248-250, Volume 37, No. 3, Birkhäuser Verlag</del>
<del>CB4</del>	<del>SLAUGHTER DP, SOUTHWICK HW, SMEJKAL W. "Field Cancerization" in Oral Squamous Epithelium: Clinical Implications of Multicentric Origin, Cancer, A Journal of American Cancer, July 1953, pages 963-968, Volume 6, No. 4, J.B. Lippincott Company, Philadelphia, PA, USA</del>
<del>CC4</del>	<del>BERNSTEIN JM, GORFIEN J, NOBLE B, YANKASKAS JR. Nasal polypsis: Immunohistochemistry And Bioelectrical Findings (A Hypothesis For The Development Of Nasal Polyps), The Journal of Allergy and Clinical Immunology, February 1997, pages 165-175, Volume 99, No. 2, Mosby</del>
<del>CD4</del>	<del>BERNSTEIN JM, YANKASKAS JR. Increased Ion transport In Cultured Nasal Polyp Epithelial Cells, Archives of Otolaryngology of Head &amp; Neck Surgery, September 1994, pages 993-996, Volume 120, No. 9, American Medical Association</del>
<del>CE4</del>	<del>MARINA AA, ILIEV IG, SCHWALKE MA, GONZALEZ E, MARLER KC, FLANAGAN CA. Association Between Cell Membrane Potential And Breast Cancer, Tumour Biology, 1994, pages 82-89, Volume 15, No. 2</del>
<del>CF4</del>	<del>MORIMOTO T, KIMOUCHI Y, IRITANI T, KIMURA S, KONISHI Y, MITSUYAMA N ET al. Measurement Of The Electrical Bio-Impedance Of Breast Tumors, European Surgical Research, April 1990, pages 86-92, Volume 22, No. 2, S. Karger Medical and Scientific Publishers</del>
<del>CG4</del>	<del>THURNHERR N, DESCHNER EE, STONEHILL EH, LIPKIN M. Induction of Adenocarcinomas Of The Colon In Mice By Weekly Injections Of 1,2-dimethylhydrazine, Cancer Research, May 1973, pages 940-945, Volume 33, No. 5</del>
<del>CH4</del>	<del>HEBESTREIT A, KERSTING U, BASLER B, JESCHKE R, HEBESTREIT H. Exercise Inhibits Epithelial Sodium Channels In Patients With Cystic Fibrosis, American Journal of Respiratory and Critical Care Medicine, July 2001, pages 443-446, Volume 164, No. 3</del>
<del>CI4</del>	<del>ORLANDO RC, POWELL DW, CROOM RD, BERSCHNEIDER HM, BOUCHER RC, KNOWLES MR. Colonic and Esophageal Transepithelial Potential Difference In Cystic Fibrosis, Gastroenterology, April 1989, pages 1041-1048, Volume 96, No. 4, American Gastroenterological Association</del>
<del>CJ4</del>	<del>HAY JG, GEDDES DM. Transepithelial Potential Difference In Cystic Fibrosis, The Journal of the British Thoracic Society, July 1985, pages 493-496, Volume 40, No. 7, British Medical</del>

Examiner Signature		Date Considered	2/23/06
--------------------	---	-----------------	---------

Substitute for form 1449A/B/PTO

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

9

of

11

Complete If Known	
Application Number	10/717,074
Filing Date	November 19, 2003
First Named Inventor	Richard J. Davies
Art Unit	1614
Examiner Name	Not Yet Assigned

Attorney Docket Number DAVIES 3.0-001 CIP I

	Association, London, England
OK4	KNOWLES M, GATZY J, BOUCHER P. Increased Bioelectric Potential Difference Across Respiratory Epithelia In Cystic Fibrosis. New England Journal of Medicine, December 1981, pages 1489-1495, Volume 305, No. 25, Massachusetts Medical Society
CL4	OKSIEJCZUK E, FIGASZEWSKI Z. Electrokinetic Potential Of Lung Cancer Cells. Roczniki Akademii Medycznej Bialymstoku, 1997, pages 340-354, Volume 42, Supplement 1
CM4	MARINA AA, MORRIS DM, SCHWALKE MA, ILIEV IG, ROGERS S. Electrical Potential Measurements In Human Breast Cancer And Benign Lesions. Tumour Biology, January 1994, pages 147-152, Volume 15, No. 3, S. Karger
CN4	BRUGGI G, FRANZINI A. Value of Serial Stereotactic Biopsies And Impedance Monitoring In The Treatment Of Deep Brain Tumours. Journal of Neurology Neurosurgery and Psychiatry, May 1981, pages 397-401, Volume 44, No. 5, British Medical Association, London, England
CO4	FUKUDA M, SHIMIZU K, OKAMOTO N, ARIMURA T, OHTA T, YAMAGUCHI S et al. Prospective Evaluation Of Skin Surface Electropotentials In Japanese Patients With Suspicious Breast Lesions. Japanese Journal of Cancer Research, October 1996, pages 1092-1096, Volume 87, No. 10, Elsevier Science, Ltd., Ireland and Business Center for Academic Societies, Japan
CP4	CHAUVEAU N, HAMZAQUI L, ROCHAIX P, RIGAUD B, VOIGT JJ, MORUCCI JP. Ex Vivo Discrimination Between Normal And Pathological Tissues In Human Breast Surgical Biopsies Using Bioimpedance Spectroscopy. Annals of the New York Academy of Sciences, 1999, pages 42-50, Volume 873, The New York Academy of Science, New York, NY, USA
CQ4	DA SILVA JE, DE SA JP, JOSSINET J. Classification Of Breast Tissue By Electrical Impedance Spectroscopy. Medical and Biological Engineering & Computing, January 2000, pages 26-30, Volume 38, No. 1
CR4	JOSSINET J. Variability Of Impedivity In Normal And Pathological Breast Tissue. Medical & Biological Engineering & Computing, September 1996, pages 246-350, Volume 34, No. 5
CS4	JOSSINET J. The Impedivity Of Freshly Excised Human Breast Tissue. Physiological Measurement, February 1998, pages 61-75, Volume 19, No. 1, Institute of Physics Publishing
CT4	JOSSINET J, SCHMITT M. A Review Of Parameters For The Bioelectrical Characterization Of Breast Tissue. Annals of the New York Academy of Sciences, 1999, pages 30-41, Volume 873, The New York Academy of Sciences, New York, NY
CU4	BROWN BH, TIDY JA, BOSTON K, BLACKETT AD, SMALLWOOD RH, SHARP F. Relation Between Tissue Structure And Imposed Electrical Current Flow In Cervical Neoplasia. The Lancet, March 2000, pages 892-895, Volume 355, No. 9207, The Lancet Publishing Group, Ltd., Elsevier Sciences Ltd.
CV4	CHEREPENIN V, KARPOV A, KORJENEVSKY A, KORNIENKO V, MAZALETSKAYA A, MAZOUROV D et al. A 3D Electrical Impedance Tomography (EIT) System For Breast Cancer Detection. Physiological Measurement, February 2001, pages 9-18, Volume 22, No. 1, Institute of Physics Publishing
CW4	GONZALEZ-CORREA CA, BROWN BH, SMALLWOOD RH, KALIA N, STODDARD CJ, STEPHENSON TJ et al. Virtual Biopsies In Barrett's Esophagus Using An Impedance Probe. Annals of New York Academy of Sciences, 1999, pages 313-321, Volume 873, The New York Academy of Sciences, New York, NY, USA
CX4	GORECKI J, DOLAN EJ, TASKER RR, KUCHARZYK W. Correlation of CT and MR With Impedance Monitoring And Histopathology In Stereotactic Biopsies. The Canadian Journal of Neurological Sciences, May 1990, pages 184-189, Volume 17, No. 2
CY4	KIMURA S, MORIMOTO T, UYAMA T, MONDEN Y, KINOUCHI Y, IRITANI T. Application of Electrical Impedance Analysis For Diagnosis Of A Pulmonary Mass. Chest, 1994, pages 1679-1682, Volume 105, No. 6, Official Publication of American College of Chest Physicians
CZ4	MALICHA A, FRITSCH T, ANDERSON P, BOEHM T, FREESMEYER MG, FLECK M et al. Electrical Impedance Scanning For Classifying Suspicious Breast Lesions: First Results.

Examiner  
SignatureDate  
Considered

2/23/06

Substitute for form 1449A/B/PTO

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 10 of 11 Attorney Docket Number DAVIES 3.0-001 CIP I

Complete If Known	
Application Number	10/717,074
Filing Date	November 19, 2003
First Named Inventor	Richard J. Davies
Art Unit	1614
Examiner Name	Not Yet Assigned

Sheet	10 of 11 Attorney Docket Number DAVIES 3.0-001 CIP I

	European Radiology, 2000, pages 1555-1561, Volume 10, No. 10, Springer-Verlag .
EAS	MALICHA, BOEHM T, FACIUS M, FREESMEYER M, FLECK M, ANDERSON R Et al. Differentiation of Mammographically Suspicious Lesions: Evaluation Of Breast Ultrasound, MRI Mammography And Electrical Impedance Scanning As Adjunctive Technologies In Breast Cancer Detection, Clinical Radiology, April 2001, pages 278-283, Volume 56, No. 4, WB Saunders Company LTD.
CB5	MALICH A, FRITSCH T, MAUCH C, BOEHM T, FREESMEYER M, FLECK M et al. Electrical impedance Scanning: A New Technique In The Diagnosis Of Lymph Nodes In Which Malignancy Is Suspected On Ultrasound, British Journal of Radiology, 2001, pages 42-47, Volume 74, No. 877
CC5	MORIMOTO T, KIMURA S, KONISHI Y, KOMAKI K, UYAMA T, MONDEN Y et al. A Study Of The Electrical Bio-Impedance Of Tumors, Journal of Investigative Surgeries, 1993, pages 25-32, Volume 6, No. 1, Taylor & Francis, New York, USA
CD5	OHMINE Y, MORIMOTO T, KINOUCHI Y, IRITANI T, TAKEUCHI M, MONDEN Y. Noninvasive Measurement Of The Electrical Bioimpedance Of Breast Tumors, Anticancer Research, June 2000, pages 1941-1946, Volume 20, No. 3B
CE5	PIPERNO G, FRENEH, MOSHITZKY M. Breast Cancer Screening By Impedance Measurements, Frontiers in Medical and Biological Engineering, 1990, pages 111-117, Volume 2, No. 2
CF5	POUPA V, SETKA J, VRANA J. [Diagnosis of Malignant Diseases Of The Mucosa Of The Gastrointestinal Tract By Impedance Measurement Using The DIACA Apparatus], Rozhledy Chirurgii, 1986, pages 316-321, Volume 65, No. 5
CG5	SETKA J, VRANA J. [Impedance of The Recto-Sigmoidal Mucosa Measured By Endoscopy In The Diagnosis Of Rectal Neoplasms], Archives Francaises des Maladies de L'Appareil Digestif, 1969, pages 477-482, Volume 58, No. 7, Masson & Cie, Paris, France
CH5	SETKA J, VRANA J. [Impedance In The Endoscopy Of Rectal Neoplasms], Sb Ornuk Lekarsky, 1970, pages 89-93, Volume 72, No.4,
CI5	BROWN BH. Impedance Tomography and Spectroscopy: What can and what will we see? In: Sverre Grimnes, Ørjan G.Martinsen, Heidi Bruvoll, editors. Proceedings XI International Conference on Electrical Bio-Impedance. Oslo, Norway, University of Oslo, 2001: 9-13
CJ5	THOMPSON SM, SUZUKI Y, SCHULTZ SG. The Electrophysiology Of Rabbit Descending Colon. I. Instantaneous Transepithelial Current-Voltage Relations And The Current-Voltage Relations Of The Na-Entry Mechanism, Journal of Membrane Biology, 1982, pages 41-45, Volume 66, No. 1, Springer-Verlag, New York New York, USA
CK5	BRASITUS TA, DUDEJA PK, FOSTER ES. 1,2-Dimethylhydrazine-induced Alterations In Na <sup>+</sup> -H <sup>+</sup> Exchange In Rat Colonic Brush-Border Membrane Vesicles, Biochimica et Biophysica Acta, March 1988, pages 483-488, Volume 938, No. 3, Elsevier
CL5	DAVIES RJ, ABBUN H, THOMPSON SM, GOLLER DA, SANDLE GI. Uncoupling of Sodium Chloride Transport In Premalignant Mouse Colon, Gastroenterology, June 1990, pages 1502-1508, Volume 98, No. 6, American Gastroenterological Association
CM5	FRASER GM, PORTNOY M, BLEICH M, ECKE D, NIV Y, GREGER R et al. Characterization Of Sodium And Chloride Conductances In Preneoplastic And Neoplastic Murine Colonocytes, Pflügers Archive European Journal of Physiology, November 1997, pages 801-808, Volume 334, No. 6, Springer
CN5	SCHWAN, H.P., Electrical Properties of Tissue and Cell Suspensions In: "Advances In Biological and Medical Physics," J.H. Lawrence and C.A. Tobias, Eds. Vol. V, 1957, p. 147, Aladdin Press, Inc., New York
CO5	FOSTER, KENNETH R., Bioimpedance as Medical Technology: What Does it Take to Succeed; University of Pennsylvania, Philadelphia, PA
CP5	GONZALEZ-CORREA CA, BROWN BH, SMALLWOOD RH, KALIA N, STODDARD CJ, STEPHENSON TJ et al. Assessing The Conditions For In-Vivo Electrical Virtual Biopsies In-

Examiner  
SignatureDate  
Considered

2/23/06

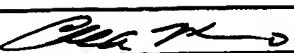
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO				Complete If Known	
				Application Number	10/717,074
				Filing Date	November 19, 2003
				First Named Inventor	Richard J. Davies
				Art Unit	1614
				Examiner Name	Not Yet Assigned
Sheet	11	of	11	Attorney Docket Number	DAVIES 3.0-001 CIP I

Barrett's Oesophagus, Medical & Biological Engineering & Computing, July 2000, pages 373-376, Volume 30, No. 4
--

<sup>1</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>2</sup>Applicant's unique citation designation number (optional). <sup>3</sup>Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	2/23/06
--------------------	---	-----------------	---------



AB 16 ПК

PTO/SB/08a/B (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

Approved for use through 07/06/2019. GPO 2017 OMB 1655-0657  
**U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE**

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<p>Substitute for form 1449A/B/PTO</p> <p><b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b></p> <p><i>(Use as many sheets as necessary)</i></p>		<b>Complete If Known</b>	
		Application Number	10/717,074
		Filing Date	November 19, 2003
		First Named Inventor	Richard J. Davies
		Art Unit	1614
		Examiner Name	Not Yet Assigned
Sheet	1	of	1
			Attorney Docket Number
			DAVIES 3.0-001 CIP I

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cita No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (# known)			
<u>C</u>	AG**	US-6,122,544	09-19-2000	Organ	
<u>C</u>	AH**	US-5,906,208	05-25-1999	Ishikawa	
<u>C</u>	AI**	US-6,135,953	10-24-2000	Carim	

## FOREIGN PATENT DOCUMENTS

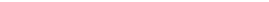
FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	1 <sup>4</sup>
		Country Code <sup>2</sup> + Number <sup>3</sup> + Kind Code <sup>5</sup> (if known)	MM-DD-YYYY			

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

NON-PATENT LITERATURE DOCUMENTS

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.  
508637 I.DOC

Examiner Signature		Date Considered	2/23/06
--------------------	---	-----------------	---------